

# **[SYSTEM AND METHOD FOR ONLINE FIRMWARE UPDATE AND ON-SCREEN-DISPLAY PARAMETERS MODIFICATION ]**

## **Abstract of Disclosure**

A system and method for online firmware update and on-screen-display (OSD) parameters modification and its control interface. The system and method are applied in the liquid crystal panel display, wherein the control interface couples to a microprocessor, a built-in storage unit, and a rewritable memory. The control interface comprises a multiplexer, a control register, and a bus interface unit, wherein the multiplexer comprises a first selection terminal, a first output terminal, and a control signal input terminal. When the control signal enables the first selection terminal, a write signal is sent to a write pin of the rewritable memory via the first output terminal. The control register is located in the built-in storage unit and coupled to the microprocessor and the multiplexer. The control register is used to temporarily store the control signal. The bus interface unit couples to the microprocessor, the built-in storage unit, and the control register in the built-in storage unit. The bus interface unit has a determination rule contained in it, and the purpose of the determination rule is to define that only when a fetch signal sent by the microprocessor is received, and the received control signal is in an enable state, and a fetch address of the microprocessor is equal to a mapping address of the built-in storage unit, can the fetch code operation can be performed onto the built-in storage unit.

## Figures